

ABSTRACT

A hub unit for wheel is provided with an outer ring having two bearing tracks on its inner circumferential surface, a hub having a wheel mount flange on the outer end side and an end portion on the axially vehicle center side, the hub having, as a separate part or integrally on its outer circumference, a first bearing track corresponding to the axially vehicle outer end side bearing track of the outer ring, an inner ring element fitted on the end portion side of the hub, the inner ring element having on its outer circumference a second bearing track opposed to the axially vehicle center side bearing track of the outer ring and being fixed on the end portion by plastically deforming the end portion of the hub radially outwardly, and rolling members provided between the two bearing tracks of the outer ring and the first and second bearing tracks. The outer diameter of a portion to be plastically deformed of the end portion may be made smaller than the diameter of the portion of the inner ring element that is fitted on the hub, the start point of the small diameter portion may be arranged to be situated between the start point of a chamfered portion on the inner circumferential surface of the inner ring element and the vehicle center side end face of the inner ring element, and the end portion

may be plastically deformed radially outwardly to
fasten and fix said inner ring element, or a
continuous circumferential groove may be provided on
the inner circumferential surface of the inner ring
5 element adjacent to a chamfered portion on the inner
end portion of the inner circumferential surface.